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Subject: cannot use oracle from dll

Posted by [aftershock](#) on Mon, 02 Mar 2020 20:28:27 GMT

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Hi,

I cannot use oracle from dll...

example

```
#include <windows.h>
```

```
#include "dbconnect.h"
```

```
#include <Core/Core.h>
```

```
#include <Oracle/Oracle7.h>
```

```
using namespace Upp;
```

```
BOOL APIENTRY DllMain(HANDLE hModule, DWORD reason, LPVOID lpReserved)
```

```
{  
    switch (reason) {  
        case DLL_PROCESS_ATTACH:  
            break;  
        case DLL_PROCESS_DETACH:  
            break;  
        case DLL_THREAD_ATTACH:  
            break;  
        case DLL_THREAD_DETACH:  
            break;  
    }  
    return TRUE;  
}
```

```
FileAppend f("dbconnectdll.log");
```

```
DllExport void Test() {}
```

```
DllExport void ConnectDb(char * connectstr)
```

```
{  
    Oracle7 oracle;  
    // One<Sql> Sqli;  
    // Sqli = new Sql(oracle);  
    oracle.SetTrace();  
    f << connectstr;  
    f.Flush();  
    OutputDebugString(connectstr);  
    /*f << connectstr;  
    f.Flush();*/  
    if (!oracle.Open(connectstr))  
    {  
        OutputDebugString("Can't create or open database file\n" + oracle.GetLastError());  
    }  
}
```

```
// Cout() << "Can't create or open database file\n" << oracle.GetLastError();
// int b= 4;
}
else
    OutputDebugString("connected");
// Sql Sqli (oracle);
}
```

I get an "Error loading OCI7 Oracle database client library

Note I did not get this error when I had the same code in a console application.

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Subject: Re: cannot use oracle from dll  
Posted by [mirek](#) on Tue, 03 Mar 2020 08:30:40 GMT  
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Well, I have no experiences with this. Frankly, it is also a couple of years since I have used Oracle last time....

Anyway. The error basically means that oci7.dll could not be dynamically loaded. For starters:

```
void DLLTYPE::Force()
{
    if(!DLLTYPE::Load()) {
        // RLOG("Failed to load required dynamic library '" << LibName() << "'");
        exit(1);
    }
}
```

I would uncomment that RLOG...

Also, details about host system, compiler and main configuration would be helpful here... :)

Mirek

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Subject: Re: cannot use oracle from dll  
Posted by [aftershock](#) on Tue, 03 Mar 2020 11:11:59 GMT  
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thanks I figured out

I compiled 32 bit version and the dll was 64 (ociw32.dll, oracle dll) bit version that is why it did not

find it....

It is misleading that the name has 32 in it.

I downloaded 32 bit version of ociw32.dll but I got some weird error, end of story.

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Subject: Re: cannot use oracle from dll  
Posted by [mirek](#) on Tue, 03 Mar 2020 11:57:17 GMT  
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aftershock wrote on Tue, 03 March 2020 12:11 thanks I figured out

I compiled 32 bit version and the dll was 64 (ociw32.dll, oracle dll) bit version that is why it did not find it....

It is misleading that the name has 32 in it.

I downloaded 32 bit version of ociw32.dll but I got some weird error, end of story.

Well, it is misleading, but rather common. Most libs that started with '32' in the name keep that even when recompiled as 64.

Anyway, glad to hear that the problem is solved.

Mirek